

ITEM: 23

SUBJECT: Uncontested NPDES Permits

REPORT: Following are the proposed permits. All agencies and the dischargers concur, or have offered no comments. *Consideration of NPDES Permit Renewal*

	a.	<p>AEROJET-GENERAL CORPORATION, GROUNDWATER EXTRACTION AND TREATMENT SYSTEMS, ARGET, GET E/F, GET H, INTERIM GET H, GET J, GET K, INTERIM GET K, GET L, GET L1, SAILOR BAR PARK WELL, CHETTENHAM WELL, AND LOW-THREAT DISCHARGES, Sacramento County</p> <p>Aerojet-General Corporation operates a rocket-testing and chemical manufacturing facility in eastern Sacramento County. Past practices at the facility has led to pollution of the groundwater on and off the Aerojet property. In the process of cleaning up the polluted groundwater, Aerojet extracts and treats the groundwater. The water is discharged to ground, to surface water and injected back into the aquifers. The discharges to surface water are currently at seven locations under an NPDES permit. Aerojet has requested adding three water supply wells as allowed discharges under the permit. Treatment systems for the removal of perchlorate have been added to the wells. Prior to supplying the water to customers, Golden State Water Company (owner of the wells) is required by the California Department of Public Health to demonstrate the reliability of the treatment system. For up to two months the water supply wells will be discharging up to 6.9 million gallons per day of treated water. After the demonstration period, the two of the wells will only discharge to storm drain for a minute or so during startup and shutdown to avoid pressure issues within the distribution system. The third well will be operated continuously and will discharge up to 1 mgd when the water is not needed in the potable systems. Two of the well will discharge to the American River and one well will discharge to Morrison Creek, at outfalls that are currently discharging flow from groundwater extraction and treatment systems. (AMM)</p>
	b.	<p>The City of Modesto (Discharger) owns and operates the City of Modesto Water Quality Control Facility (Facility), a wastewater collection and treatment system that serves the City of Modesto, the community of Empire, and a portion of the City of Ceres. The Facility is allowed to discharge up to (i) 70 million gallons per day (mgd) seasonal (October-May) secondary treated effluent when 20:1 flow ratio (river flow to effluent) is available and (ii) 4.8 mgd year-round of tertiary treated effluent. The United States Environmental Protection Agency and the Central Valley Regional Water Quality Control Board (Central Valley Water Board) have</p>

		<p>classified this discharge as a major discharge. Treated municipal wastewater is discharged into the San Joaquin River, a water of the United States.</p> <p>On 25 April 2008, the Central Valley Water Board adopted Waste Discharge Requirements Order No. R5-2008-0059 (NPDES Permit) prescribing waste discharge requirements and time schedules for full compliance with final effluent limitations for ammonia that becomes effective on 14 June 2013. On 1 September 2009, the Discharger submitted a request for an extension of the compliance schedule for ammonia, which included a draft treatment feasibility study that concludes that the Discharger's Phase 2 BNR/Tertiary Treatment Project (Phase 2 Project) is the cost effective project to comply with the final ammonia effluent limitations, while at the same time meet future City growth. Due to the complex and extensive design, construction, and financing of the Phase 2 Project, the Discharger anticipates that it will be unable to have the necessary facilities operational to meet final effluent limitations for ammonia by 25 April 2013, as currently required in the NPDES Permit.</p> <p>The Discharger is requesting a permit amendment to effectively plan, finance, and construct the Phase 2 Project under an achievable timeline. The Discharger plans to submit a Report of Waste Discharge for the Phase 2 Project by 1 July 2010, and the proposed schedule for completion of construction is October 2015, with full compliance with ammonia effluent limitations by 1 February 2016. An Order is proposed amending the NPDES Permit to extend the effective date for the final ammonia effluent limitations from 25 April 2013 to 1 February 2016.</p>
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RECOMMENDATION: Adopt the proposed NPDES permits.

Mgmt. Review_____

Legal Review_____

18 March 2010

Central Valley Regional Water Quality Control Board meeting

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Rancho Cordova, CA 95670